

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date:	15.03.24	Job No.:	ADR Yes/No:	N	ADR Date:		ECN #:	15- 532
Product No.:	D350-578		Created By:	VS	Approved By:			
Product Name:	Bearpaws		Checked By:					

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	15.03.24
Production Manager / Coord.	Y	LL/MF	15.03.27
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	15.03.27
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	15.03.27
QC Coordinator	Y	PD	15.03.27
Customer Support	Y	SW/LM	15.03.27
Customer Technical Support	Y	MB/HS	15.03.27
Marketing	N	KO/SL	
Sales Support Manager	N	CP	

**Reason for Change:**

Bearpaw cushions rotating under clamps, ref NCR14-3521, PAR14-331, PAR14-368

**Documents Affected:**

ICA-D350-578 Rev. 3, D350-578 Rev. H, D4011 Rev. C, D4012 Rev. C

**IF APPLICABLE:** NCR: 14-3521 PAR: 14-331/-368 CAR: CIR: URF: 15-532

**PAPERWORK UPDATE**

**PARTS MUST COMPLY**

**PREVIOUS PARTS SATISFACTORY**

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings/Item ID's Under Review (URF)	Y	VS	URF15-532	15.02.23 VS
6	Update Master Document List (MDL)	Y	VS	MDL-D350-578 Rev. 1, MDL-D206-582 Rev. R	15.03.12 VS
7	Update Document Record (DR)	N			15.04.20
8	Update Product Compatibility Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		15.03.30
12	Update Product Specification Files (Bluefiles)	Y	KJ		15.03.26
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		15.03.26
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		15.03.26
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	#17 & 27	15.03.26
18	Create / Update Change Record Form / Item Card Database	Y	KJ	SEE BELOW	15.04.20
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		15.04.20
20	Red Decals required on Packaging Process Plan (PPP)?	N	KJ	New-B950-111/113/115/117/121 kits	15.03.30
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		15.03.26
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		15.03.26
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

**Description / Action:**

-Update D350-578 kits in stock per D350-578 Rev. H (new hardware)

-Create routings for new D350-578-111/-113/-115/-117/-121 kits @ CHG001

D350-578-011/-021 @ CHG006

D350-578-013/-015/-017 @ CHG002

D350-578-031 @ CHG003

D407-559-113 @ CHG004, D407-559-115 @ CHG002, DS19689-011 @ CHG002

Added 15.04.20

ECN Verified & Complete: 1P

Date: 18/4/16

## Kim Johnston

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**From:** David Shepherd  
**Sent:** Monday, March 30, 2015 6:43 PM  
**To:** Linda Lacelle; Victoria Seib  
**Cc:** Jean-Luc Menard; Kim Johnston  
**Subject:** RE: D350-578 (ECN 15-532)

JL,

I agree with Victoria that the -011/-013/-015/-017/-021/-031 kits need to go up a change number because the hardware (clamps/cushions/bolts) are all changing.

Regards,  
David

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**From:** Linda Lacelle  
**Sent:** March-30-15 3:12 PM  
**To:** Victoria Seib  
**Cc:** Jean-Luc Menard; David Shepherd; Kim Johnston  
**Subject:** Re: D350-578 (ECN 15-532)

I also need to know if the other kits i sent you today are affected pls

Sent from my iPhone

On Mar 30, 2015, at 5:10 PM, Victoria Seib <[vseib@dartaero.com](mailto:vseib@dartaero.com)> wrote:

I believe you are correct JL, the old kits should go up a change and the new kits should be at chg 001.  
Once David has a chance, he may be able to correct me if I am wrong.

Victoria

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**From:** Jean-Luc Menard  
**Sent:** Monday, March 30, 2015 11:29 AM  
**To:** David Shepherd; Victoria Seib  
**Cc:** Kim Johnston  
**Subject:** D350-578 (ECN 15-532)

Hi David/Victoria,  
The ecn mentions that the -111/-113/-115/-117/-121 will be at chg 001.  
Will the other kits be going up a change #?(-011/-013/-015/-017/-021/-031).  
Let me know  
JL

**Jean-Luc Ménard**  
*Production Engineering Supervisor*

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

Date:	3/24/2015	Job No.:	ADR Yes/No:	N	ADR Date:		ECN #:	15- 532
Product No.:	D350-578		Created By:	VS	Approved By:			
Product Name:	Bearpaws		Checked By:					

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	
Production Manager / Coord.	Y	LL/MF	
Purchasing Coord.	N	CL	
Production Engineering Coord.	Y	DD/JLM	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL/BG	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS/ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW/LM	
Customer Technical Support	Y	MB/HS	
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**Reason for Change:**

Bearpaw cushions rotating under clamps, ref NCR14-3521, PAR14-331, PAR14-368

**Documents Affected:**

ICA-D350-578 Rev. 3, D350-578 Rev. H, D4011 Rev. C, D4012 Rev. C

**REFERENCE ONLY**

**IF APPLICABLE:** NCR: 14-3521 PAR: 14-331 CAR: CIR: URF: 15-532

**PAPERWORK UPDATE**

**PARTS MUST COMPLY**

**PREVIOUS PARTS SATISFACTORY**

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	Y	VS	URF15-532	15.02.23
6	Update Master Document List (MDL)	Y	VS	MDL-D350-578 Rev. I, MDL-D206-582 Rev. R	15.03.12
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		
12	Update Product Specification Files (Bluefiles)	Y	KJ		
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ		
19	Create / Update Packaging Process Plan (PPP)	N			
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ	New D350-111/-113/-115/-117/-121 kits	
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		
23	Update D-Part / M-Drawing / DS1 / DEO Master Binders	Y	KJ		
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

**Description / Action:**

- Update D350-578 kits in stock per D350-578 Rev. H (new hardware)
- Create routings for new D350-578-111/-113/-115/-117/-121 kits @CHG 001
- D350-578-011/-021 @CHG 006, D350-578-013/-015/-017 @ CHG 002, D350-578-031 @ CHG 003
- D407-559-113 @ CHG 004, D407-559-115 @ CHG 002
- DSI 9689-011 @ CHG 002

ECN Verified & Complete: \_\_\_\_\_

Date: \_\_\_\_\_

## **Kim Johnston**

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**From:** Lisa McMachen  
**Sent:** Monday, April 20, 2015 12:32 PM  
**To:** Kim Johnston  
**Cc:** Sian Willems  
**Subject:** FW: additional actions on ECN 15-532  
**Attachments:** ECN 15-532.xls; 582-r.mdl.doc

Hey Kim,

As the attached ECN was updated to include D407-559-113, D407-559-115 & DSI 9689-011 and the change revisions. Will you redistribute this ECN to all?

Thanks,  
Lisa McMachen

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**From:** Victoria Seib  
**Sent:** Monday, April 13, 2015 5:51 PM  
**To:** Sian Willems; David Shepherd  
**Cc:** Harvey Siemens; Lisa McMachen  
**Subject:** RE: additional actions on ECN 15-532

Hello Sian/David!

I have updated the ECN per Sian's comments and I have updated the MDL for the 559 Bearpaws, as part of the 582 Utility kit, to include the revised clamp drawings. Please let me know if you need anything else from me.

Victoria

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**From:** Sian Willems  
**Sent:** Monday, April 13, 2015 2:58 PM  
**To:** Victoria Seib  
**Cc:** Harvey Siemens; Lisa McMachen  
**Subject:** additional actions on ECN 15-532

Hi Victoria,

In reviewing this ECN, we looked at the kits that used the D4011 clamps and we saw that the changed to the clamps also affect several other kits (see attached). These will also have to go up a change number. Can you please give instructions to this effect?

Thanks,  
**SIAN WILLEMS**  
*Customer Support Manager*

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